HEARING RESEARCH

Vol. 172, Nos. 1–2
October 2002

CONTENTS

Cited in: Biological Abstracts (BIOSIS); Chemical Abstracts; Current Contents/Life Sciences; Current Awareness in Biological Sciences (CABS); Excerpta Medica (EMBASE); Index Medicus; INSPEC; PASCAL M; Reference Update; Full text available in ScienceDirect® and Neuroscion

Research Papers

B.H. Hu, D. Henderson and T.M. Nicotera (USA)
F-actin cleavage in apoptotic outer hair cells in chinchilla cochleas exposed to intense noise 1

E. Borg and A. Viberg (Sweden)
Extra inner hair cells in the developing rabbit cochlea 10

L.A. Cabanillas and A.E. Luebke (USA)
CGRP- and cholinergic-containing fibers project to guinea pig outer hair cells 14

S. Dehmel, C. Kopp-Scheinpflug, G.J. Dörrscheidt and R. Rübsamen (Germany)
Electrophysiological characterization of the superior paraolivary nucleus in the Mongolian gerbil 18

L.F. Hoffman and V. Honrubia (USA)
Fiber diameter distributions in the chinchilla's ampullary nerves 37

T. Fukazawa (Japan)
How can the cochlear amplifier be realized by the outer hair cells which have nothing to push against? 53

D.W. Roberson, J.A. Alosi, M. Mercola and D.A. Cotanche (USA)
REST mRNA expression in normal and regenerating avian auditory epithelium 62

X. Shi and A.L. Nuttall (PR China, USA)
The demonstration of nitric oxide in cochlear blood vessels in vivo and in vitro: the role of endothelial nitric oxide in venular permeability 73

D. Bodmer, D. Brors, K. Pak, B. Gloddek and A.F. Ryan (Switzerland, USA)
Rescue of auditory hair cells from aminoglycoside toxicity by *Clostridium difficile* toxin B, an inhibitor of the small GTPases Rho/Rac/Cdc42 81

M. Wasniewska, F. De Luca, S. Siclari, G. Salzano, M.F. Messina, F. Lombardo, M. Valenzise, C. Ruggeri and T. Arrigo (Italy)
Hearing loss in congenital hypothalamic hypothyroidism: a wide therapeutic window 87

R.K. Shepherd and J. Xu (Australia)
A multichannel scala tympani electrode array incorporating a drug delivery system for chronic intracochlear infusion 92

A.W. Hendricson and P.S. Guth (USA)
Transmitter release from *Rana pipiens* vestibular hair cells via mGluRs: A role for intracellular Ca^{++} release 99

F.L.C. Wolters, T.F. de Vocht, S.F.L. Klis, F.P.T. Hamers and G.F. Smoorenburg (The Netherlands)
Co-treatment with melanotan-II, a potent melanocortin, does not protect against cisplatin ototoxicity 110

Contents continued on inside back cover

neuroscion
a meeting of minds

To view articles from this journal, visit Neuroscion, the comprehensive neuroscience information service on the web.
Register today at **www.neuroscion.com**

0378-5955(200210)172:1/2;1-7

(Contents continued from back cover)

H. Lang, B.A. Schulte and R.A. Schmiedt (USA)
Endocochlear potentials and compound action potential recovery: functions in the C57BL/6J mouse 118

W.P.L. Hellier, S.A. Wagstaff, S.J. O'Leary and R.K. Shepherd (Australia)
Functional and morphological response of the stria vascularis following a sensorineural hearing loss 127

M.A. Zacharek, J.A. Kaltenbach, T.A. Mathog and J. Zhang (USA)
Effects of cochlear ablation on noise induced hyperactivity in the hamster dorsal cochlear nucleus: implications for the origin of noise induced tinnitus 137

R. Hartmann, U. Gerlach and R. Klinke (Germany)
Ototoxic side-effects of the I_{Ks}-channel blocker HMR1556 145

J. Syka, N. Rybalko, J. Mazelová and R. Druga (Czech Republic)
Gap detection threshold in the rat before and after auditory cortex ablation 151

M.N. Wallace, T.M. Shackleton and A.R. Palmer (UK)
Phase-locked responses to pure tones in the primary auditory cortex 160

S.S. Spicer and B.A. Schulte (USA)
Spiral ligament pathology in quiet-aged gerbils 172

G.-D. Chen (USA)
Effect of hypoxia on noise-induced auditory impairment 186

Author Index Volume 172 196

Subject Index Volume 172 198